

Monday, October 20, 2014

Westchase Hilton • 9999 Westheimer

Social Hour 5:30–6:30 p.m.

Dinner 6:30–7:30 p.m.

Cost: \$45 Preregistered members; \$50 non-members/walk-ups

To guarantee a seat, pre-register on the HGS website & pre-pay by credit card.

Pre-registration without payment will not be accepted.

Walk-ups may pay at the door if extra seats are available.

HGS International Dinner Meeting

John Dribus

Schlumberger Oil Field Services

JDribus@slb.com

A Tour of Abrupt Margin Prospectivity Around the African Margin and Major Challenges of the Abrupt Margin Play

This talk begins with a review of characteristics of Abrupt Margin turbidites where they were initially identified in the deep water Tano Basin, offshore Ghana in the Jubilee Field and TEN complex. The talk then utilizes multiclient and other seismic data sets to conduct a quick tour of the basin margin turbidite fan potential in the deep waters of Morocco, The Gambia, Senegal, Sierra Leone, Liberia, Ghana, Angola, Namibia, Mozambique, Tanzania, Kenya, finishing in Somalia. Throughout the talk, the seismic data are utilized to identify and describe 13 key geologic challenges and risks that remain to be resolved regarding continued exploration of this important new play that is attracting a lot of exploration interest and dollars on both sides of the Atlantic Basin. Key petroleum systems issues are discussed, including sufficient overburden and adequate seal, turbidite fan volume continuity and connectivity, stratigraphic versus structural trapping, migration through turbidite muds to charge the prospect while depending on similar muds as top seals, faults and stratigraphic compartmentalization, importance of adequate sediment influx to the area, and application of seismic amplitude anomalies for prospect risking. ■

Biographical Sketch

JOHN DRIBUS is the Global Geosciences Advisor for Schlumberger Oil Field Services. He is a Reservoir Geologist with over 39 years' experience, and has worked all aspects of petroleum exploration, exploitation, and production geology. He worked for five years as

a uranium field geologist, and 20 years for Mobil Oil Corporation as a petroleum geologist, including 14 years working the deep water Gulf of Mexico and subsalt province. He worked the past 14 years for Schlumberger as Northern Gulf of Mexico Operations Manager, and as Global Geologic Advisor working deep water basins in the Gulf of Mexico, Greenland, the Black Sea, the Red Sea, Ghana (Jubilee), Gabon, Angola, and Brazil, with emphasis on sub-salt and pre-salt exploration.



His expertise is in exploration geoscience, petroleum systems analysis, global deep water turbidite analogs and regional geology, exploring in salt basins, and geological risk analysis. He is the former Chairman of the Advisory Board of the American Petroleum Institute (API) Delta Chapter, serves on the Imperial Barrel Award Committee of the American Association of Petroleum Geologists (AAPG). He is a member of the AAPG (30 years), New Orleans Geological Society (NOGS), Houston Geological Society (HGS), Society of Petroleum Engineers (SPE), and European Association of Geoscientists and Engineers (EAGE). In 2013, he was recognized by the Society of Petroleum Engineers with the Eastern North America Region Reservoir Description and Dynamics Award. In 2014, he received the Meritorious Service Award from the American Petroleum Institute (API) Delta Section.



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